

Converting Colors

$Y_{xy}(65.8075, 0.2932, 0.3055)$

Have a look what the booklet for
Yxy(65.8075, 0.2932, 0.3055)
contains.

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Color

Yxy(65.8075, 0.2932, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	CCD4E9
RGB	204, 212, 233
RGB Percent	80%, 83%, 91%
CMY	0.1998, 0.1686, 0.0864
CMYK	0.12, 0.09, 0.00, 0.09
HSL	224°, 40%, 86%
HSV	224°, 12%, 91%
XYZ	63.1580, 65.8075, 86.4437
YIQ	212.0020, -11.5090, 4.8350

Conversions

Conversions Part 2

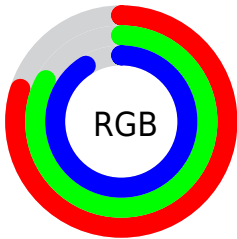
Format	Color
RYB	204, 210, 233
Decimal	13423849
CIELab	84.90, 1.41, -11.23
CIElCh	85, 11.317, 277.152
Yxy	65.8075, 0.2932, 0.3055
Android (android.graphics.Color)	4291613929 (0xFFCCD4E9)
YUV	212.0020, 10.3520, -7.0178
Hunter-Lab	81.1218, -2.9908, -6.3944

Details

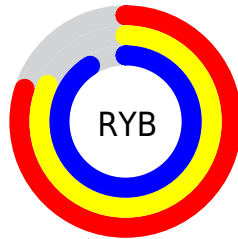
The Yxy color `65.8075, 0.2932, 0.3055` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75.5408, 0.3323, 0.3515`, and the grayscale version is `65.7798, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `33.7723, 0.2889, 0.2996` is the 20% darker color. If you saturate the color by 10%, you get `54.7522, 0.2761, 0.2839`, and if you desaturate by 10%, it is `78.2441, 0.3091, 0.3247`.

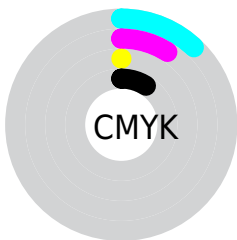
Distribution



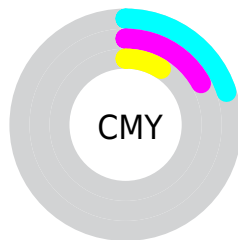
- Red (80%)
- Green (83%)
- Blue (91%)



- Red (80%)
- Yellow (82%)
- Blue (91%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8075, 0.2932, 0.3055 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 65.8075, 0.2932, 0.3055 by changing the saturation by 10% instead.

■ 65.8075, 0.2932,
0.3055

■ 65.8075, 0.2932,
0.3055

445.6881, 0.3024,
0.3165

■ 48.1162, 0.2911,
0.3030

113.2100, 0.2964,
0.3093

■ 33.9189, 0.2884,
0.2998

143.6899, 0.2977,
0.3108

■ 22.8313, 0.2850,
0.2958

179.2015, 0.2987,
0.3121

■ 14.4690, 0.2806,
0.2905

220.1292, 0.2996,
0.3132

■ 8.4476, 0.2744,
0.2832

266.8573, 0.3005,
0.3142

■ 4.3826, 0.2653,
0.2725

319.7702, 0.3012,

■ 1.8898, 0.2506,

0.3151

0.2555

379.2523, 0.3018,
0.3158

0.5423, 0.2174,
0.2144

0.0000, 0.0000,
0.0000

65.8075, 0.2932,
0.3055

65.8075, 0.2932,
0.3055

54.7522, 0.2761,
0.2839

78.2441, 0.3091,
0.3247

45.0213, 0.2580,
0.2601

92.1001, 0.3236,
0.3416

36.5656, 0.2394,
0.2343

98.6617, 0.3256,
0.3503

29.3297, 0.2208,
0.2070

■ 23.2541, 0.2030,
0.1792

■ 18.2734, 0.1871,
0.1521

■ 14.3153, 0.1739,
0.1270

■ 11.2968, 0.1641,
0.1054

■ 9.5560, 0.1588,
0.0918

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8075, 0.2864, 0.3107



65.8075, 0.2932, 0.3055



65.8075, 0.3052, 0.3065

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8075, 0.2932, 0.3055



65.8075, 0.3396, 0.3360



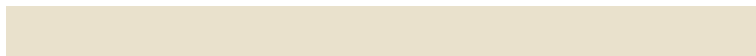
65.8075, 0.3056, 0.3458

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.8075, 0.2932, 0.3055



75.5408, 0.3323, 0.3515

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.8075, 0.3198, 0.3528



65.8075, 0.2932, 0.3055



65.8075, 0.3396, 0.3467

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8075, 0.2932, 0.3055



65.8075, 0.3322, 0.3238



65.8075, 0.3323, 0.3530



65.8075, 0.2935, 0.3340

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8075, 0.2932, 0.3055



65.8075, 0.3147, 0.3103



65.8075, 0.3323, 0.3530



65.8075, 0.3102, 0.3488

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.8102, 0.2932, 0.3055



93.4886, 0.3066, 0.3218



76.5303, 0.2986, 0.3380



19.7550, 0.3055, 0.3204



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8102, 0.2932, 0.3055



77.0186, 0.2888, 0.3000



62.8337, 0.2975, 0.2968



15.2230, 0.2980, 0.3114



5.6013, 0.1595, 0.0943



0.5961, 0.1670, 0.1210

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.2775, 0.3293, 0.3204



76.3178, 0.3334, 0.3185



78.9077, 0.3268, 0.3601



15.1221, 0.3250, 0.3225



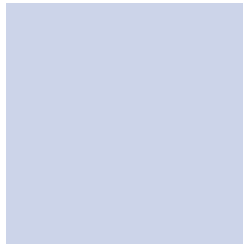
10.0583, 0.5845, 0.2994



0.8056, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 65.8075, 0.2932, 0.3055 looks on a white background.

Color Contrast Check

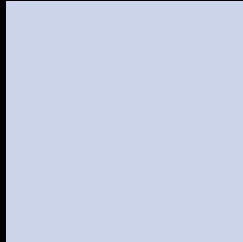
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 65.8075, 0.2932, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

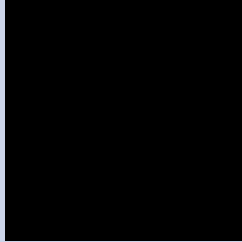
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8075, 0.2932, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 65.8075, 0.2932, 0.3055.



This preview shows how white text looks on a background with the Yxy color 65.8075, 0.2932, 0.3055.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

65.8075, 0.2932, 0.3055

Protanopia

65.6210, 0.2980, 0.3046

Deuteranopia

65.6127, 0.3053, 0.2987



Tritanopia

65.9422, 0.2950, 0.3109

Trichromacy



Original Color

65.8075, 0.2932, 0.3055

Protanomaly

65.8246, 0.2966, 0.3056

Deuteranomaly

65.4993, 0.3002, 0.3005

Tritanomaly

65.9982, 0.2944, 0.3098

Monochromacy



Original Color

65.8075, 0.2932, 0.3055

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.8096, 0.3051, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8075, 0.2932, 0.3055 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 212, 233)` looks like.

```
.text, #text, p{  
    color:rgb(204, 212, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 212, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 212, 233) }
```

Border

The CSS property to change the border of an element to Yxy 65.8075, 0.2932, 0.3055 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 212, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 212, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 212, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 212, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 212, 233);  
box-shadow:4px 4px 4px 4px rgb(204, 212,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8075, 0.2932, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 212, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
212, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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